

ABSTRACT OF THE DISCLOSURE

An anti-lock braking system sensor arrangement for use with an air disc brake on an axle, particularly a commercial vehicle axle, wherein a wheel speed sensor is located outside a brake rotor envelope and a sensor exciter is located on an inward-extending portion of the axle hub or on the brake rotor, for example, adjacent to the junction of the rotor hat and its friction portion. The sensor exciter may be integrally formed with the axle hub or the rotor, or may be a separate exciter component affixed thereto. The sensor may be located adjacent to the exciter ring by locating the sensor in an axle flange or in a hole in the air disc brake caliper's mounting bracket. By locating the sensor and sensor exciter in this manner, sensor longevity is enhanced by improved cooling, and potential interference between the sensor and the air disc brake components is eliminated.